

# ***New from JFW Industries!***

JFW is proud to introduce our latest innovation in high-power RF switching. The 50S-1887 SMT is a surface-mount switch that can handle up to 100 Watts (average RF input power) and it's capable of hot-switching 20 Watts. The 50S-1887 is designed to operate from 225-400 MHz, but other frequency ranges may be available upon request.



## ***High Power, Surface-Mount UHF Switch***



***● Spec Sheet***

***● Drawing***

For more information on this switch or to have JFW review your specific application, visit us at [www.jfwindustries.com](http://www.jfwindustries.com)

# ***JFW Industries***

317-887-1340

877-887-4539

[www.jfwindustries.com](http://www.jfwindustries.com)

[sales@jfwindustries.com](mailto:sales@jfwindustries.com)

[jfwengr@jfwindustries.com](mailto:jfwengr@jfwindustries.com)



**SPECIFICATION SHEET**  
**JFW MODEL 50S-1887**  
**1P2T SOLID STATE RF SWITCH**

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 Phone: 317-887-1340  
 sales@jfwindustries.com  
 www.jfwindustries.com

Frequency Range	225-400 MHz
Configuration	1P2T
Impedance	50 Ohms nominal
VSWR	1.15:1 typical 1.30:1 maximum
Insertion Loss	0.3 dB typical 0.5 dB maximum
Isolation	55 dB typical 45 dB minimum
Switching Speed	10 microseconds maximum (50% TTL to 10% or 90% RF)
RF Input Power	100 Watts average (Cold switch) 500 Watts peak (1 usec pulse)  20 Watts average (Hot switch)
Control Logic (1 Line)	TTL "Low" (0-0.8V) for common to J1 TTL "High" (2.0-5.0V) for common to J2
DC Supply	+15 Vdc @ 250 mA nominal and +5 Vdc @ 50 mA nominal
RF Connector	Plug-in Printed Circuit or SMT
DC Connector	Plug-in Printed Circuit or SMT
Operating Temperature Range	0°C to +70°C
Storage Temperature Range	-55°C to +85°C
Physical Size	See outline drawing 092-6633 (PC) 092-6682 (SMT)

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